FIG. 1

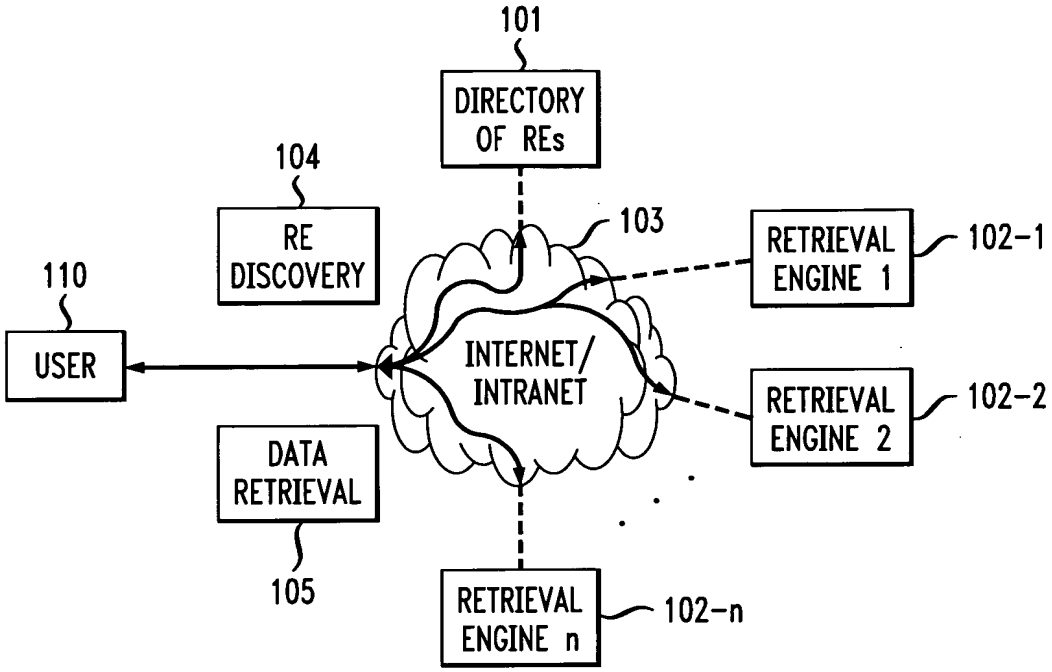


FIG. 2

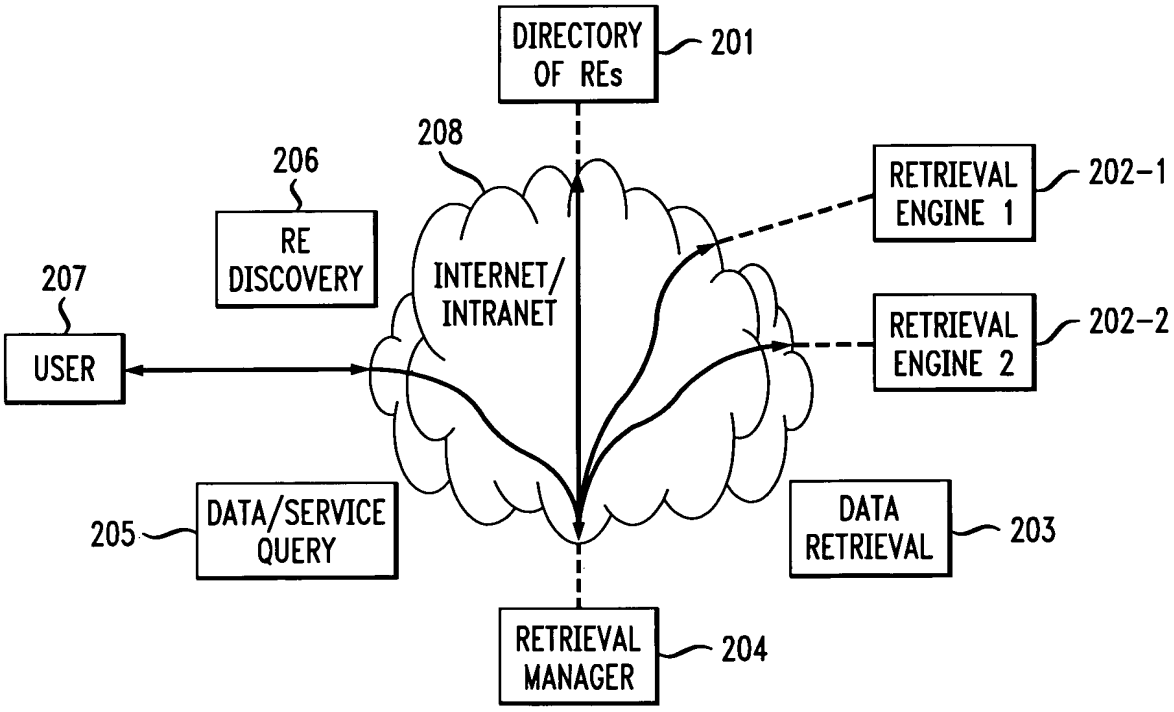


FIG. 3

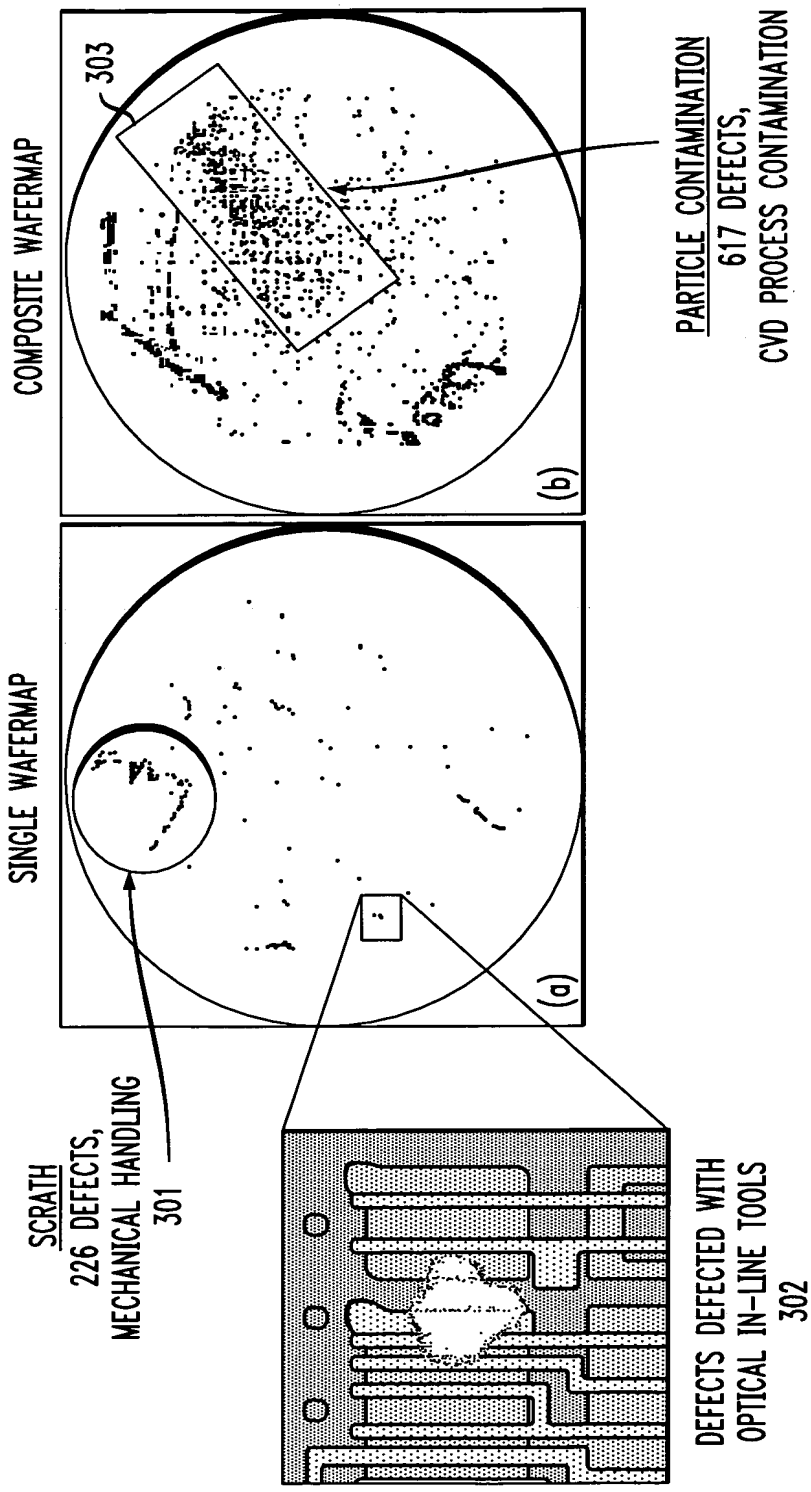


FIG. 4

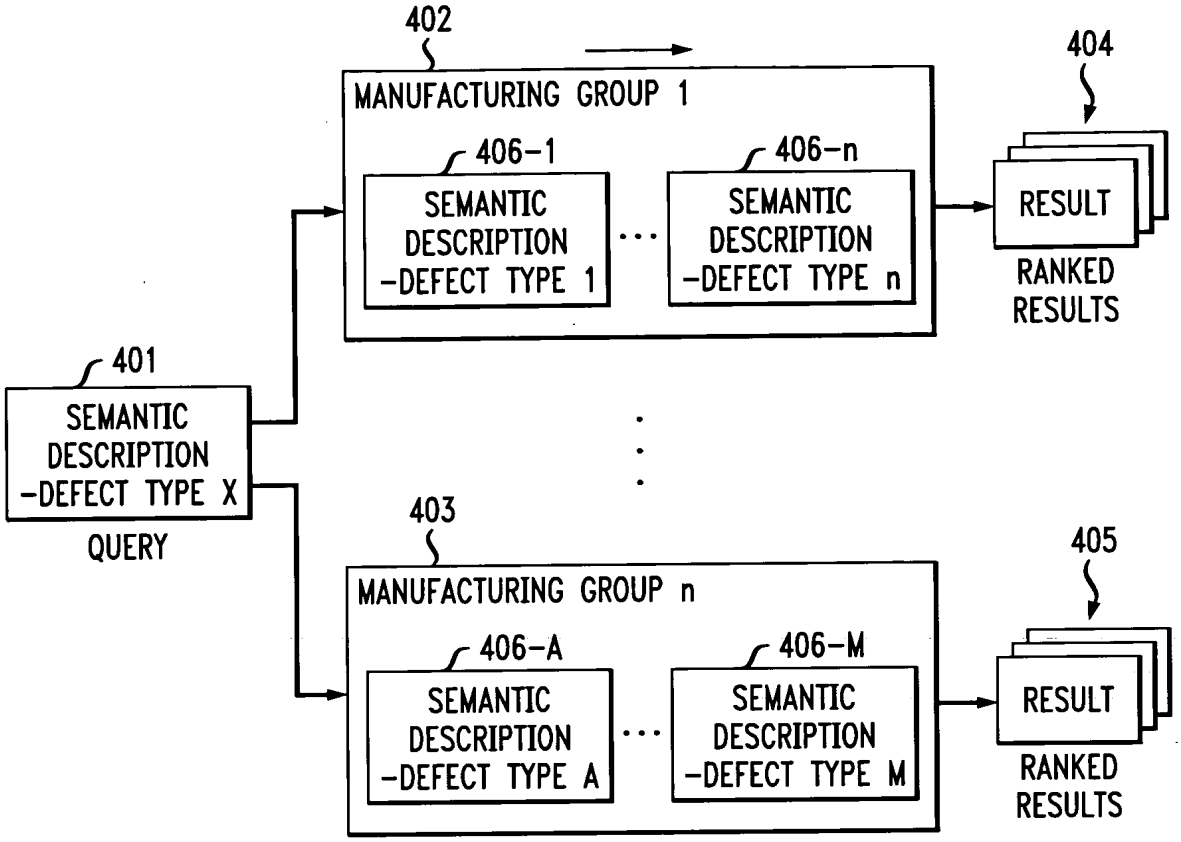


FIG. 5

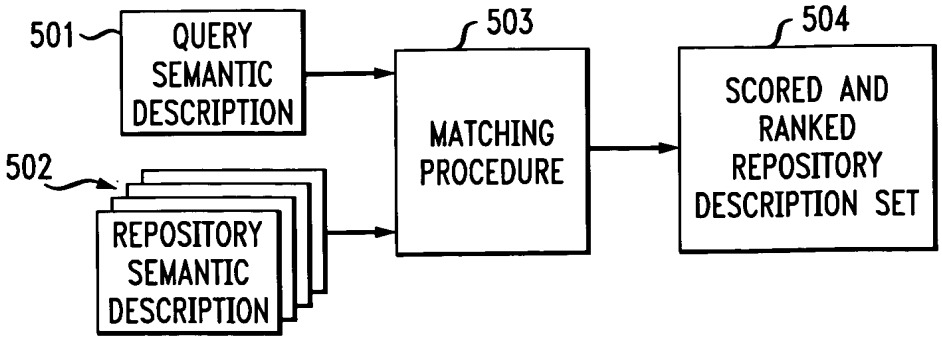


FIG. 6

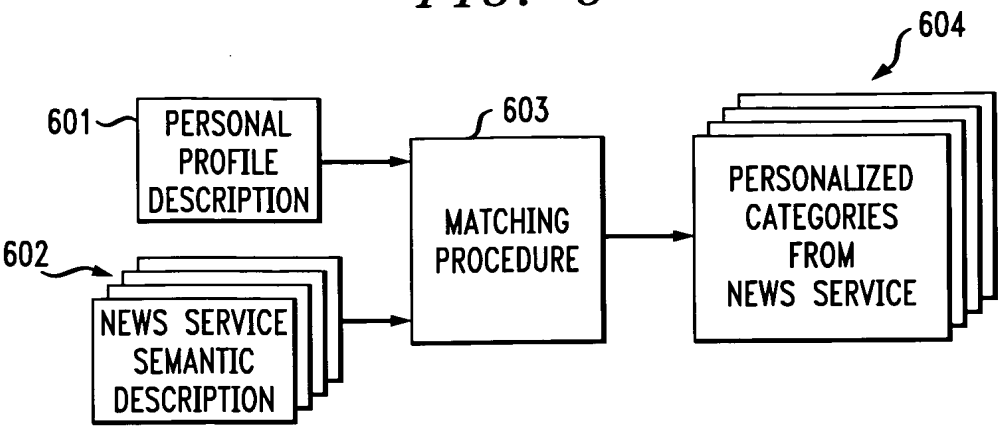
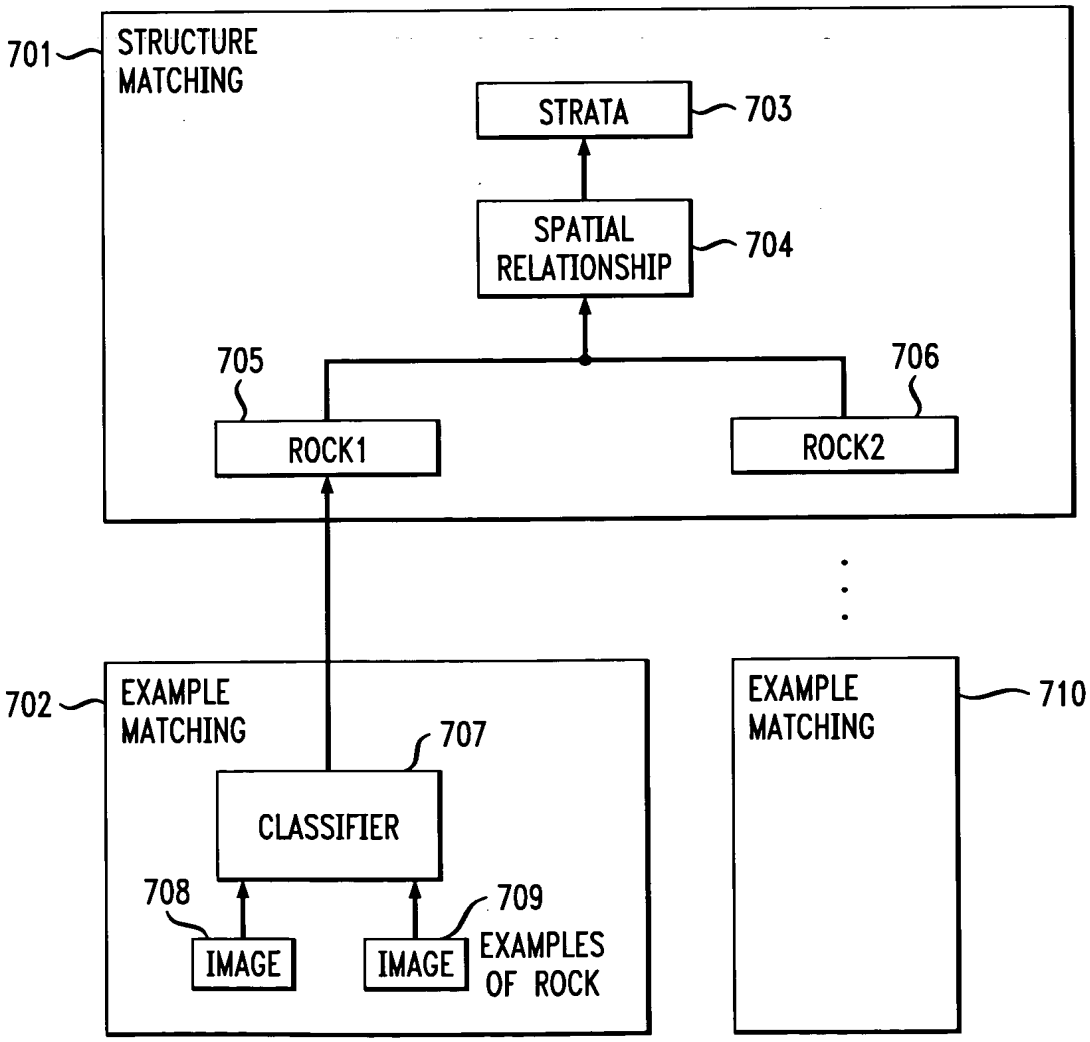


FIG. 7



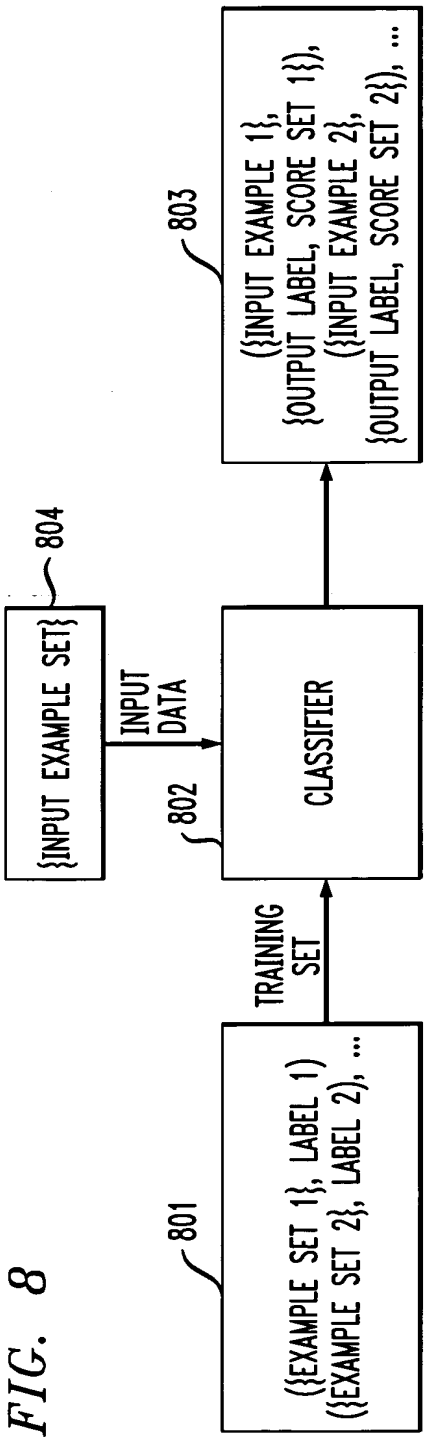


FIG. 8

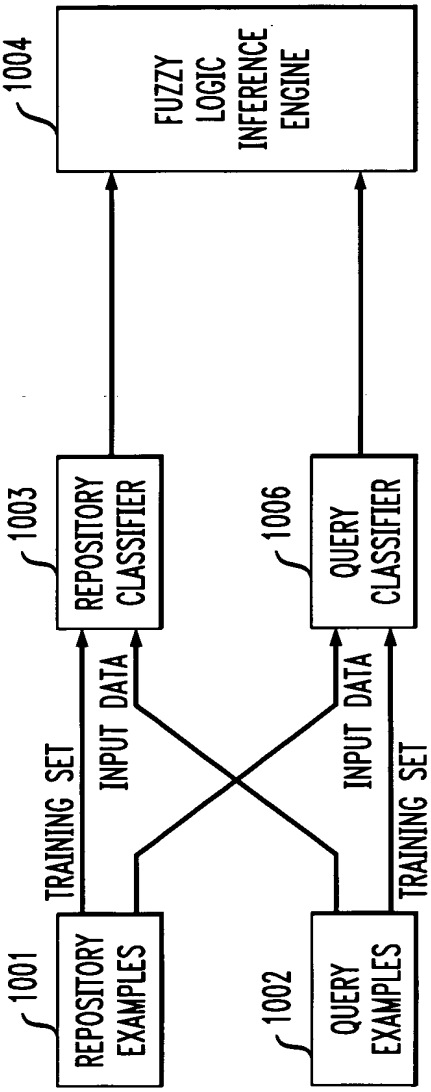


FIG. 10

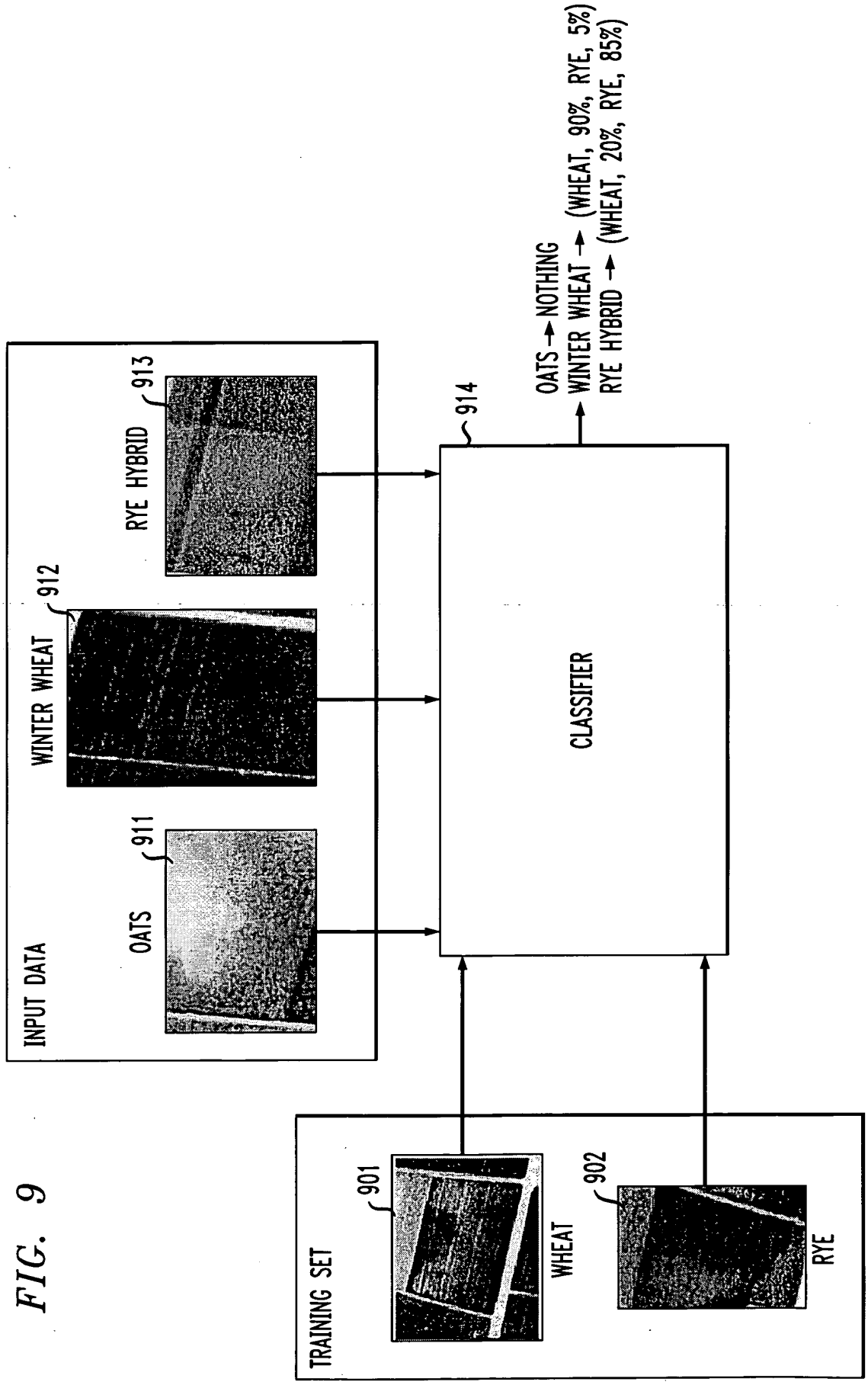


FIG. 9

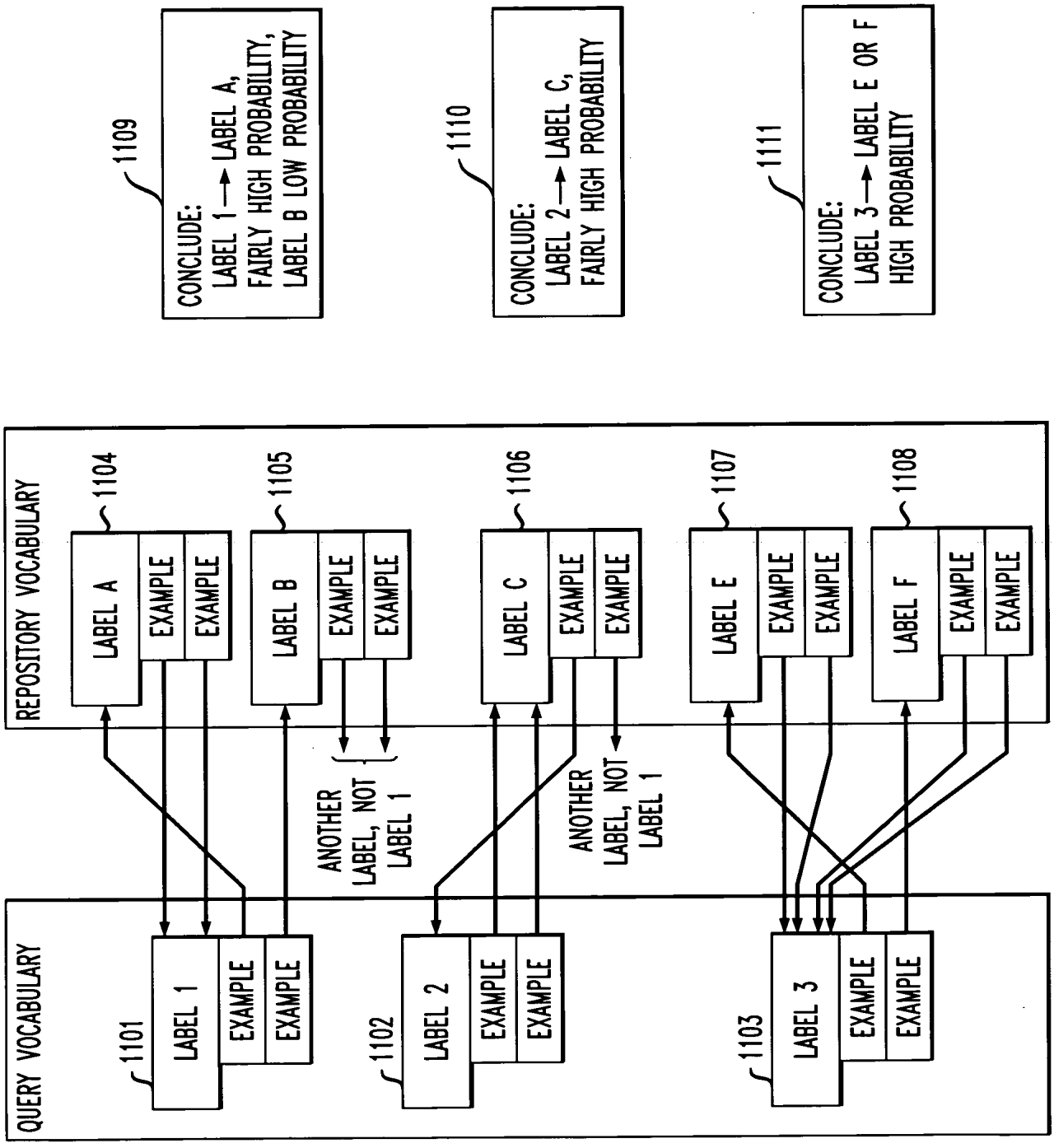


FIG. 11

FIG. 12

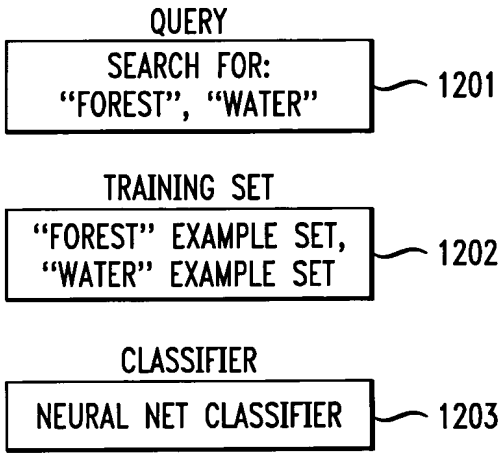


FIG. 13

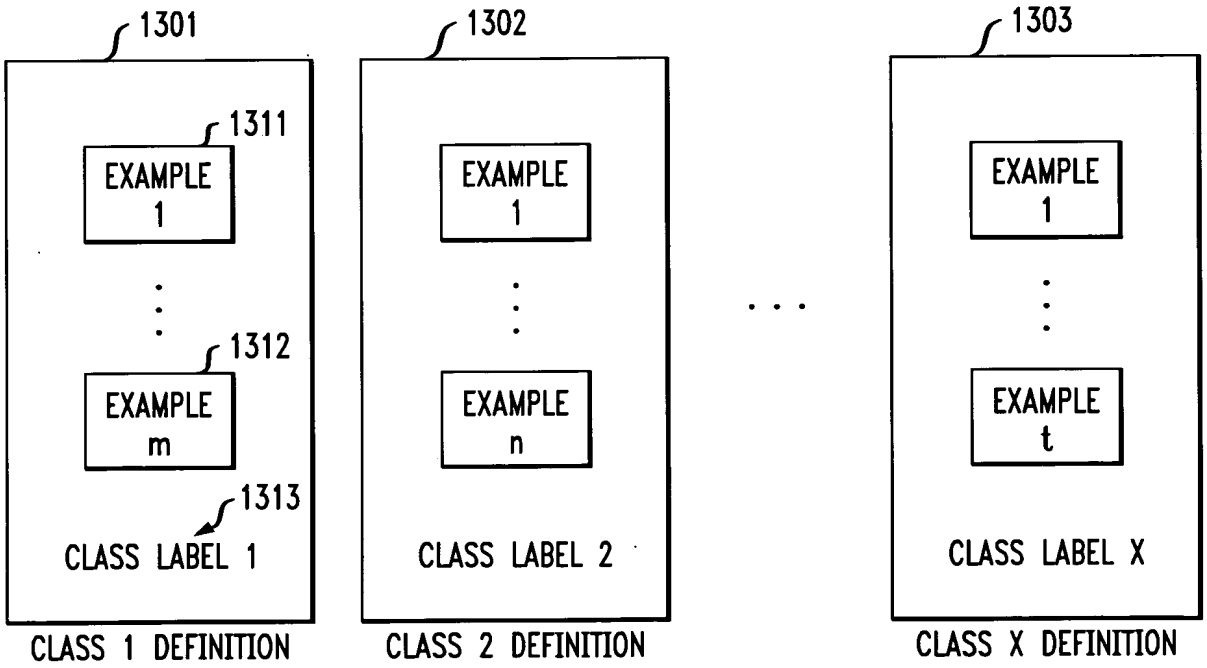


FIG. 14

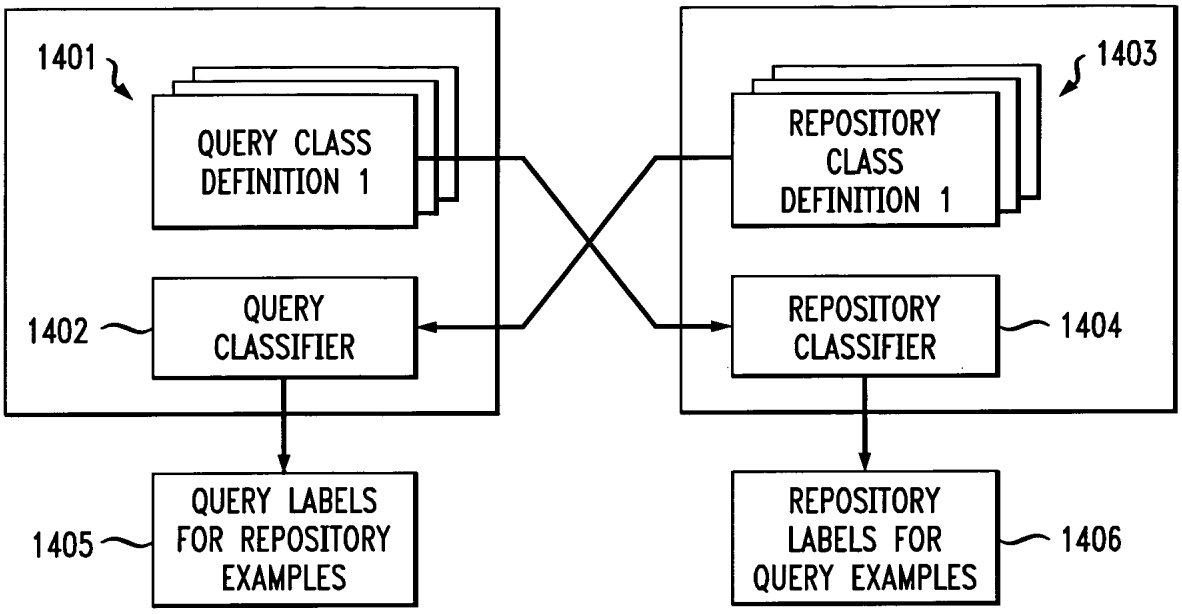


FIG. 15

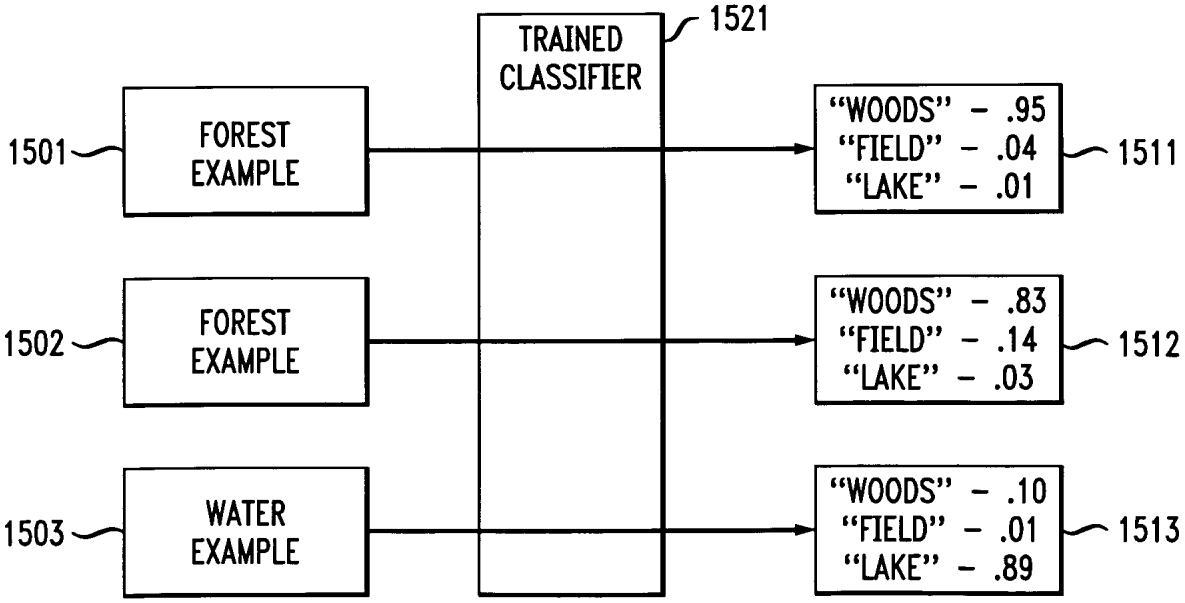


FIG. 16

(A)
QUERY EXAMPLES CROSS-CLASSIFIED
USING REPOSITORY CLASSIFIER

	INPUT LABEL	OUTPUT LABEL	SCORE
EXAMPLE 1 1601	FOREST	WOODS	.95
	FOREST	FIELD	.04
	FOREST	LAKE	.01
EXAMPLE 2 1602	FOREST	WOODS	.83
	FOREST	FIELD	.14
	FOREST	LAKE	.03
EXAMPLE 3 1603	WATER	WOODS	.10
	WATER	FIELD	.01
	WATER	LAKE	.89

(B)
REPOSITORY EXAMPLES CROSS-CLASSIFIED
USING QUERY CLASSIFIER

	INPUT LABEL	OUTPUT LABEL	SCORE
EXAMPLE 1 1604	WOODS	FOREST	.97
	WOODS	WATER	.03
EXAMPLE 2 1605	WOODS	FOREST	.89
	WOODS	WATER	.11
EXAMPLE 3 1606	FIELD	FOREST	.67
	FIELD	WATER	.33
EXAMPLE 4 1607	LAKE	FOREST	.05
	LAKE	WATER	.95

FIG. 17

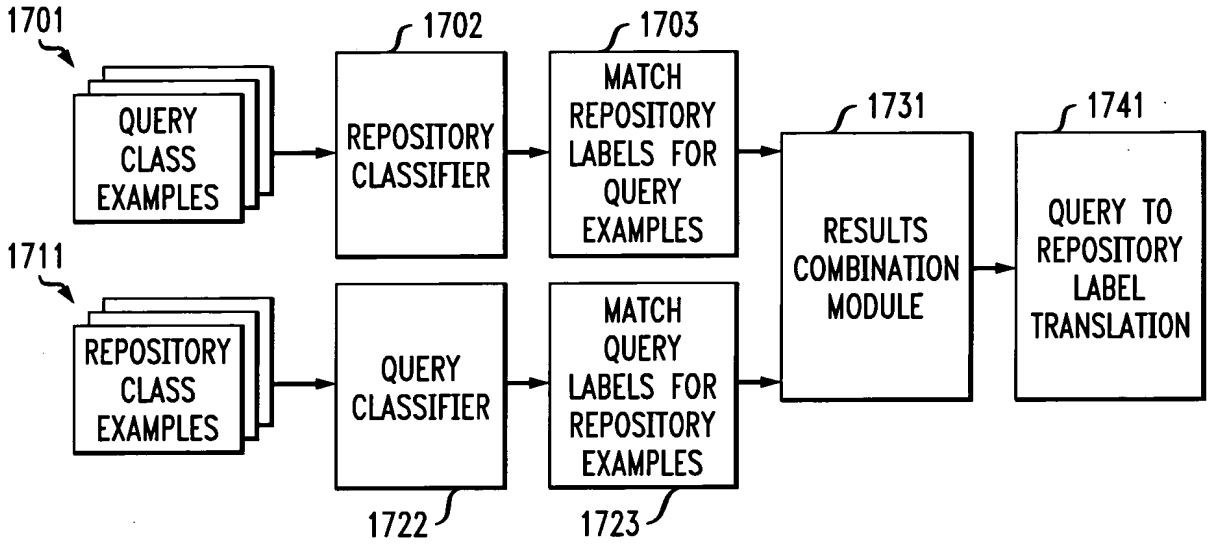


FIG. 18

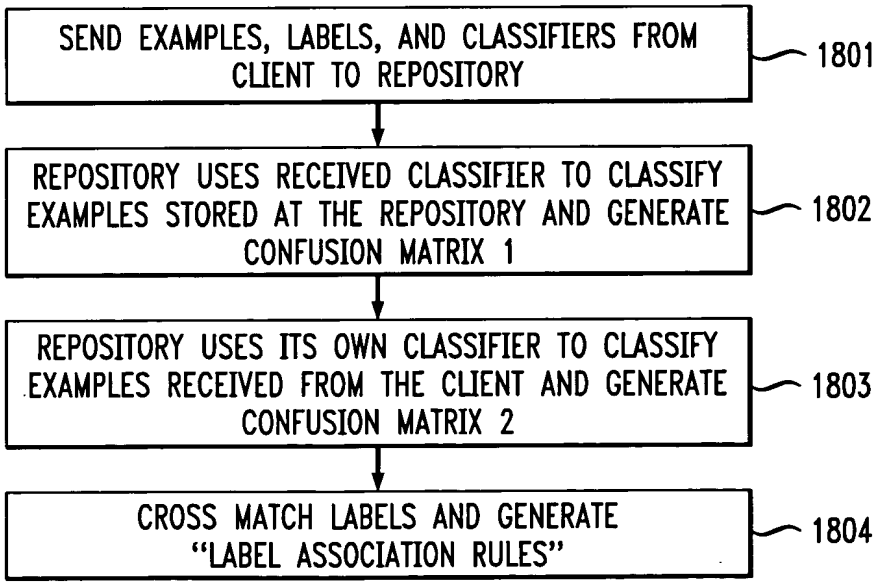


FIG. 19

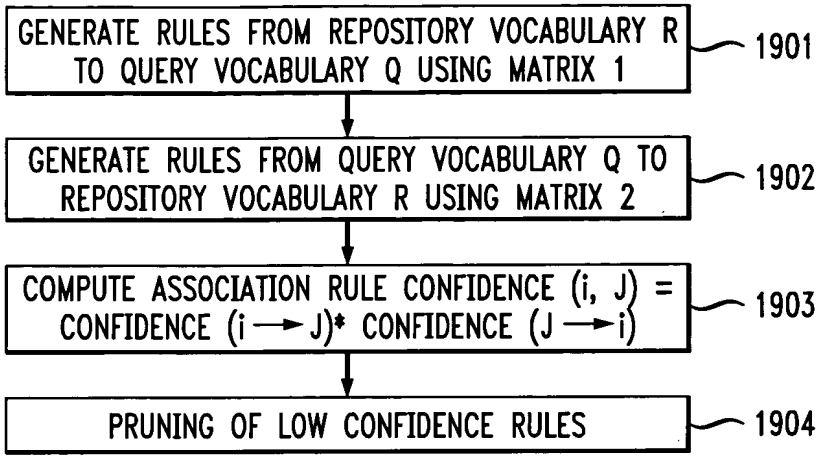


FIG. 20

MATRIX 1 (R → Q)

	A	B
1	0.75	0.15
2	0.35	0.25
3	0.25	0.65

MATRIX 2 (Q → R)

	1	2	3
A	0.65	0.15	0.10
B	0.15	0.25	0.6

(1,A)	0.75*0.65	0.4875	
(1,B)	0.15*0.15	0.0225	
(2,A)	0.35*0.15	0.0525	
(2,B)	0.25*0.25	0.0625	
(3,A)	0.25*0.1	0.025	
(3,B)	0.65*0.6	0.39	

FIG. 21